

Amendments To The Claims:

1. (Currently Amended) An article comprising a laminate having first and second layers and a tie-layer therebetween bonding the first and second layers, the first and second layers formed, respectively, of first and second polymer materials, the first and second polymer materials being different, wherein

the first and second polymer materials, respectively, have first and second functional groups thereon, and

the tie layer is formed of a tie-layer polymer material obtained by melt modification of one of the first or the second polymer materials, said melt modification comprising incorporation therein of at least 5% by weight of a coupling agent, the coupling agent having functional groups thereon, at least some of which are reactive in the melt with at least the functional groups on the other of said first and second polymer materials, said coupling agent being selected from the group consisting of ~~polyepoxides, polyoxazolines, polycarbodiimides, and polyisocyanates~~ compounds having plural epoxy groups thereon, compounds having plural oxazoline groups thereon, compounds having plural carbodiimide groups thereon and compounds having plural isocyanate groups thereon.

2. (Original) An article as in claim 1 wherein the coupling agent functional groups further comprise functional groups which are reactive in the melt with the functional groups of said one of the first and second polymer materials.

3. (Previously presented) An article as in claim 1 wherein the tie layer polymer has been crosslinked after formation of the laminate.

4-6 (Cancelled)

7. (Original) An article as in claim 1 wherein the first polymer material is a polyester or a polyamide, the second polymer material is a polyolefin and the tie layer material is obtained by modifying the second polymer material.

8-9. (Cancelled)

10. (Previously presented) An article as in claim 1 wherein the coupling agent is incorporated into the tie layer material in an amount of from about 7% to about 35% by weight.

11. (Original) An article as in claim 1 wherein the coupling agent is incorporated into the tie layer material in an amount of 10-20% by weight.

12-63. (Cancelled)

64. (New) Coextruded medical device tubing comprising a laminate having first and second layers and a tie-layer therebetween bonding the first and second layers, the first and second layers formed, respectively, of first and second polymer materials, the first and second polymer materials being different, wherein the first and second polymer materials, respectively, have first and second functional groups thereon, the tie layer is formed of a tie-layer polymer material obtained by melt modification of one the first or the second polymer materials, said melt modification comprising incorporation therein of at least 5% by weight of a coupling agent, the coupling agent having functional groups thereon, at least some of which are reactive in the melt with at least the functional groups on the other of said first and second polymer materials, and wherein

a) the coupling agent is a member of the group consisting of compounds having plural epoxy groups thereon, compounds having plural oxazoline groups thereon, compounds having plural carbodiimide groups thereon and compounds having plural isocyanate groups thereon, and/or

b) the tie layer material further comprises a catalyst for reaction of the coupling agent

with functional groups on said other of said first and second polymer materials.

65. (New) Coextruded medical device tubing as in claim 64 wherein the coupling agent functional groups further comprise functional groups which are reactive in the melt with the functional groups of said one of the first and second polymer materials.

66. (New) Coextruded medical device tubing as in claim 64 wherein the tie layer polymer has been irradiatively crosslinked.

67. (New) Coextruded medical device tubing as in claim 64 wherein the first polymer material is a polyester.

68. (New) Coextruded medical device tubing as in claim 64 where the second polymer material is a polyolefin or a polyamide.

69. (New) Coextruded medical device tubing as in claim 68 wherein the tie layer polymer material is a modified polyolefin or polyamide.

70. (New) Coextruded medical device tubing as in claim 68 wherein the first polymer material is a polyester or a polyamide, the second polymer material is a polyolefin and the tie layer material is obtained by modifying the second polymer material.

71. (New) Coextruded medical device tubing as in claim 70 wherein at least a portion of the second polymer material and the tie-layer polymer material have been crosslinked after formation of the laminate.

72. (New) Coextruded medical device tubing as in claim 64 wherein the coupling agent is incorporated into the tie layer material in an amount of from 7% to about 35% by weight.

73. (New) Coextruded medical device tubing as in claim 72 wherein the coupling agent is incorporated into the tie layer material in an amount of 10-20% by weight.

74. (New) Coextruded medical device tubing as claim 64 wherein the tie layer includes said

catalyst and the catalyst is selected from the group consisting of tri-valent phosphorous compounds, pentavalent phosphoric compounds, tin compounds, titanate compounds, tertiary amines, blocked amines, and mixtures thereof.